|                       | lı                                                    | nd                   | ex       | of       | Cla               | im       | s                        |            |       |             |                  |          | App           | olic         | atic        | n            | No.            |          |       |            |          | A              | pli      | icar    | nt(s    | )       |                 |
|-----------------------|-------------------------------------------------------|----------------------|----------|----------|-------------------|----------|--------------------------|------------|-------|-------------|------------------|----------|---------------|--------------|-------------|--------------|----------------|----------|-------|------------|----------|----------------|----------|---------|---------|---------|-----------------|
|                       |                                                       |                      |          |          |                   |          |                          |            |       |             |                  |          | 10/657,234    |              |             |              |                |          |       |            |          | KERONEN ET AL. |          |         |         |         |                 |
|                       |                                                       |                      |          |          |                   |          |                          |            |       |             |                  | ŀ        | Examiner      |              |             |              |                |          |       |            |          | Art Unit       |          |         |         |         |                 |
|                       |                                                       |                      |          |          |                   |          |                          |            |       |             | - [              |          |               |              |             |              |                |          |       |            |          |                |          |         |         |         |                 |
| 11884                 | 100101 11011 00110 01101 01111 11010 11000 11111 0101 |                      |          |          |                   |          |                          |            |       |             | Jared J. Fureman |          |               |              |             |              |                |          | 2876  |            |          |                |          |         |         |         |                 |
|                       | <b>√</b>                                              | ✓ Rejected = Allowed |          |          |                   | [-       | _ (Through num Cancelled |            |       |             |                  |          | ral) N        |              | Non-Elect d |              |                |          | A     | App al     |          |                |          |         |         |         |                 |
|                       | =                                                     |                      |          |          |                   | -        | +                        | Restricted |       |             |                  | <u>.</u> |               |              | 1           | Interference |                |          |       | 0          | Objected |                |          |         |         |         |                 |
| Claire                | <u>ــــ</u>                                           |                      |          |          |                   |          |                          |            |       |             |                  |          |               | 7            | <u>-</u>    | ·            |                |          |       | _          | Date     |                |          |         |         |         |                 |
| Claim<br>_            | 6                                                     | $\Box$               |          |          |                   | Т        | $\neg$                   | -          |       |             | 5                | Т        | $\neg \Gamma$ | Dat          | ĪΠ          |              | П              | -        |       | aim<br>    | +-       |                | Т        |         | T       | Т       | Т               |
| rinal<br>Original     | 5<br>1<br>04                                          |                      |          |          |                   |          |                          |            | Final | Original    | 91               |          |               |              |             |              |                |          | Final | Original   |          |                |          |         |         |         |                 |
| 1                     | -                                                     |                      |          | +        | +-+               | $\dashv$ | ╁                        | -          |       | <u>5</u> 1  | 1                |          | +             | +            | $\vdash$    | -            | + +            | -        |       | 101        | 1        | $\vdash$       | +        | ╁       | ╁       | +       | $\vdash$        |
| 1                     |                                                       |                      | $\top$   | +-       | 11                | $\top$   | 1                        |            |       | (52)        | Ĭ                |          | $\neg \vdash$ | t            | H           |              | $\Box$         | 7        |       | 102        |          | П              | $\top$   | 7       | 1       | $\top$  | Ħ               |
| 3                     |                                                       |                      |          |          |                   |          |                          |            |       | 53          | Ш                |          |               |              |             |              |                |          |       | 103        |          |                | $\perp$  |         |         |         |                 |
| 4                     | <u> </u>                                              | Ш                    | $\perp$  | _        |                   |          | ┸                        | _          |       | 54          | Ш                | _        |               | 1_           | Ш           |              | $\perp \perp$  | _ ::::   |       | 104        | <u> </u> |                | _ _      |         | $\perp$ | $\perp$ |                 |
| 15                    | ↓_                                                    | Ш                    |          | Ц        | $\bot \bot$       | _        | $\perp$                  | _          |       | 55          | Ш                | 4        |               | ـــ          |             |              | $\sqcup$       | _        |       | 105        | L        | $\sqcup$       | 4        | 4       | _       | $\perp$ | $\vdash \vdash$ |
| 18                    |                                                       | Н                    |          |          |                   | _        | -                        | 4          |       | 56<br>(57)  | +                |          |               | ┼            | Н           |              | $\vdash$       |          |       | 106<br>107 | ├-       | $\vdash$       | 4        |         | +       | $\perp$ | ⊢⊢              |
| 18                    | ╁╾                                                    | Н                    | -        | -        | ++                | -        | +                        | -          |       | 58          | Н                | $\dashv$ | -             | ╁            | H           |              | $\vdash$       |          |       | 107        | ⊢        | ╌┼             | +        | +       | ╁       | +       | $\vdash$        |
| 1 8                   | $\vdash$                                              | Н                    | $\dashv$ | +        | ╁┼                | +        | +-                       | -          |       | <u>(59</u>  | Н                | $\dashv$ | -             | +            | $\vdash$    |              | +              | $\dashv$ |       | 109        | ┢        | H              | +        | +-      | +-      | +       | $\vdash \vdash$ |
| 10                    | 十                                                     | Н                    |          |          | ++                | $\dashv$ | +                        | 7          |       | 60          |                  |          |               | T            | $\Box$      | _            |                | -        |       | 110        |          |                | $\dashv$ | +       | ╈       | +       | H               |
| 1                     |                                                       | П                    | $\top$   | 1        | $T^{\dagger}$     |          | 1                        |            |       | (6)<br>(6)  | П                | 寸        | $\dashv$      | $\top$       | $\Box$      |              | $\Box$         | 7        |       | 111        |          | $\Box$         | $\dashv$ | $\top$  | T       | $\top$  |                 |
| 12                    |                                                       |                      |          |          |                   |          |                          |            |       | (62)        |                  |          |               |              |             |              |                |          |       | 112        |          |                | 工        |         |         |         |                 |
| 1                     | <u> </u>                                              |                      |          |          | $\sqcup \bot$     | $\perp$  | $\perp$                  | _          |       | (3)<br>(64) | Ш                |          |               | $oxed{\Box}$ |             |              |                | _        |       | 113        |          |                |          | $\perp$ |         |         | Ш               |
| 14                    | <u> </u>                                              | $\sqcup$             |          |          | $\bot \bot$       |          | $\perp$                  | _          |       | (64)        | Ш                | _        | _ _           | $\perp$      | $\sqcup$    |              | 1              | _        |       | 114        | _        | Ш              | $\perp$  | $\perp$ | $\perp$ | $\perp$ | $\coprod$       |
| 15                    | _                                                     | $\square$            |          | +        | ++                | $\perp$  | +                        | -          |       | <b>65</b> ) | -                | -        |               | $\perp$      | $\sqcup$    |              | $\vdash$       | -        |       | 115        | <u> </u> | $\sqcup$       | $\perp$  |         | $\bot$  | $\bot$  | $\vdash \vdash$ |
| 16                    | $\vdash$                                              | $\vdash \vdash$      |          | +        | ++                | +        | +-                       | - ::::     |       | <b>6</b>    | H                | $\dashv$ | -             | +            | Н           |              | $\vdash$       | -        |       | 116        | $\vdash$ | $\vdash$       | +        | +       | +       | +       | $\vdash$        |
| 18                    | $\vdash$                                              | $\vdash \vdash$      |          | +        | +                 | +        | +-                       | -          |       | 63          | ╫╢               | $\dashv$ | +             | +            | $\vdash$    |              | ╁┼             | -        |       | 117<br>118 | $\vdash$ | $\vdash$       | +        | +       | +       | +       | $\vdash \vdash$ |
| 19                    | $\vdash$                                              | Н                    | $\vdash$ | +        | ++                | +        | +                        | -          |       | 69          | -                | $\dashv$ | +             | +            | $\vdash$    |              | <del>   </del> | -        |       | 119        | $\vdash$ | +              | +        | +       | +       | +       | $\vdash \vdash$ |
| 2                     | $\vdash$                                              | H                    | $\vdash$ | +        | 1-1               | -        | +                        |            |       | 70          | ╫┤               | $\dashv$ | +             | +            | $\vdash$    |              | ++             | $\dashv$ |       | 120        | $\vdash$ | +              | $\dashv$ | +       | +       | +-      | $\vdash \vdash$ |
| <u> </u> <del> </del> |                                                       |                      | -        | $\dashv$ | $\dagger \dagger$ | $\top$   | $\top$                   |            |       | 71          | $   \cdot   $    | 7        |               | $\top$       | $\vdash$    |              | 1 1            | 1        |       | 121        | $\vdash$ | $\vdash$       | $\top$   | +       | +       | +       | $\vdash$        |
| 12/2                  | I                                                     |                      |          | T        |                   |          |                          |            |       | 72          |                  | $\Box$   |               | İ            | $\sqcap$    |              | 1 1            |          |       | 122        | Т        |                | $\dashv$ | $\top$  | $\top$  |         |                 |
| 28<br>24              |                                                       |                      |          |          |                   |          |                          |            |       | 73          | $\prod$          |          |               |              |             |              |                |          |       | 123        |          |                |          | $\top$  |         |         | $\Box$          |
| 24                    |                                                       |                      |          |          | $oxed{\Box}$      | $\perp$  | $\bot$                   |            |       | 74          | Ш                |          |               |              | П           |              | $\Box$         |          |       | 124        |          |                | $\Box$   |         |         |         |                 |
| 25<br>26              |                                                       |                      |          | $\perp$  | $\sqcup$          | $\perp$  | $\perp$                  | 4          |       | 75          |                  |          |               |              |             | _            | $\Box$         | _]       |       | 125        | $\Box$   |                | I        | Ţ       |         |         | $\Box$          |
| 1.76                  | 1                                                     | ıl                   | - 1      | 1        | 1 1               |          | - 1                      | 1:::::     |       | 76          | 11               | - 1      | 1             | 1            | ıl          |              | 1 1            | 1:::::   |       | 126        | 1        | 1 1            | - 1      | - 1     | 1       | 1 !     |                 |

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